

THE TECH

VOL. XXVII. No. 13

BOSTON, MASS., WEDNESDAY, OCTOBER 30, 1907

PRICE THREE CENTS

TECH HAS NO CHANCES AGAINST HARVARD TEAM.

MEN NOT SHOWING UP FOR PRACTICE.

Cooley the Only Man Who Shows Up Regularly.

Prospects for the cross country race with Harvard on Friday are dark indeed. Since the trials which were held last week very few of the men have been out for practice at all, and yesterday only a single one, Cooley, of the Freshman Class, reported at the Field.

The Captain of the team and its most prominent members who have run on it in the past have all shown a marked aversion to doing any work this season, and although with the material at hand a good team might be developed by hard training, under the present conditions, it will be almost impossible for Tech to make a good showing.

Coach Kanaly is very apprehensive of the outcome of the run on Friday. The Harvard trials which took place Monday afternoon in a pouring rain were extremely good, and showed a high class and consistent quality in the work of the whole team.

While Tech did very well in her trials over a week ago, the men have done little or nothing to keep in condition. Captain Howland, Ellis, Batchelder and some of the other members of last year's team have hardly been out at all. There is no doubt that the best work on the team this year has been done by men from the Freshman Class, just entering the Institute.

Among the men who promise to show up well, W. T. MacCreddie is the most prominent. He came to the Institute from Andover Academy, where he ran the distances on the track team for several years. In the trials for the Tech team he ran second to Captain Howland in remarkably fast time, and his work furnishes one of the greatest encouragements of the season.

White, the Irish runner, who ran such a sensational race in the half mile at the games last Saturday, has also been out for cross country work and has been showing up very well. M. Nickerson, '11, has also shown the makings of a very good cross country man, but has been very lax about training of any sort. Another man from Andover Academy who made the team is S. L. Miles. He has been working hard and is running a very fast 4 1-2 miles. Lloyd Cooley is also running on the team. Coupled with very good speed, he has shown most excellent spirit. He has been working hard and conscientiously all season.

The race Friday will be run over the Technology course, starting at Highland Station and running 4 1-2 miles across country, through fields, up and down hill, on macadam roads, and finishing with one lap around the track at the Field. The distance to the field is 4 1-4 miles, and the additional lap of the track makes a race of 4 1-2 miles in all.

The ten men who will be entered in the race for Technology are: Capt. H. H. Howland, W. T. MacCreddie, A. Ellis, C. L. Batchelder, M. Nickerson, R. Hulsizer, S. L. Niles, E. White, E. S. Howe and L. C. Cooley. The points of the first five men of each team finishing will count on the team's score.

PROF. LEWIS WILL ADDRESS TEACHERS.

Lowell Institute Offers Course on Physical Chemistry.

The Teachers' School of Science, established by the Lowell Institute of Boston, offers this winter, as a new departure, a course of fifteen lectures to teachers, on the fundamental principles of physical chemistry, discussed with special reference to their application in the teaching of elementary sciences.

The lectures will be given by Prof. G. N. Lewis, of the Research Laboratory of Physical Chemistry, on Saturday forenoons, beginning Nov. 16. This course is offered at the request of the New-England Association of Chemistry Teachers and will be open free of charge to all science teachers.

JAMES FRANCIS AGAIN TO COACH SHOW.

FOUR SHOWS ARE BEING PREPARED.

Play Chosen Will Be Announced on December 1.

James R. Francis has again been secured as coach for the Tech Show. Mr. Francis has also been engaged by the Bank Officers Association to attend to the production of their show which they are to give Feb. 10. For this reason he is coming to Boston earlier than usual, and the Show is to have the benefit of his services beginning Dec. 1, instead of some time in February as heretofore.

Ralph J. Batchelder, '08, of the Banjo Club, has written a play which is now in the hands of the management, and Henry A. Hale, Jr., '10, Abram H. Ginzberg, '09, and George C. Westervelt, '06, have shows in preparation, although they have not as yet handed them in. The date set for the plays to be handed in is Nov. 1, and the management is anxious to have them in by that time in order to get things started as early as possible.

The name of the play selected will be



JAMES R. FRANCIS.

announced about Dec. 1. Work will then start on the poster, for which a prize will be offered as in previous years. Subjects for lyrics will also be given to applicants. The lyrics will be selected by competition, and when these are chosen there will be another competition for the music.

Although H. S. Wonsen, '07, who did

(Continued on page 3.)

WILL EXHIBIT FRIDAY.

Fencing Club Given First of Monthly Bouts.

The Fencing Club will hold its first exhibition at 22 St. Botolph St., Friday, at 8.30 P. M., which Institute men are invited to attend. Coach Fournon will fence against Capt. Loring. What promises to be the feature of the evening is a duelling contest between Capt. Loring and Mr. Cushing.

The program is as follows:

1. R. Van Eetvelde, '09, vs. W. L. Doane, '11.
2. B. Brown, '11, vs. P. Chinchilla, '09.
3. R. Gallegos, '10, vs. L. G. Glazier, '11.
4. R. Van Eetvelde, '09, vs. V. C. Grubnau, '09.
5. H. E. Weeks, '09, vs. L. E. Monge, '11.
6. P. Chinchilla, '09, vs. L. G. Glazier, '11.
7. F. J. Lange, '09, vs. J. W. Nickerson, '09.
8. Coach Fournon vs. Capt. Loring, '09.
9. Duelling sword bout.—Capt. Loring vs. Mr. Cushing.

ACTIVE WORK IN ELECTRICAL DEPT.

AMERICAN INSTITUTE HONORS PROF. JACKSON.

English Visitor Enthusiastic. New Apparatus. Help from Stone and Webster.

The Electrical Engineering Department has been very active lately in outside work. Prof. Jackson has been placed on three important committees of the American Institute of Electrical Engineers, namely: the educational, the standardization, of which he is a past member, and the international standards committees.

Mr. C. H. Porter, an instructor, has been appointed chairman of the committee in the A. I. of E. E. on forest preservation. In the recent election of officers in the Boston section of the A. I. of E. E., Prof. W. L. Puffer, formerly of the Electrical Engineering Department, was elected chairman, and Prof. Shaad was placed on the executive committee.

Prof. F. A. Laws has just finished the verification of the instruments used in the acceptance test of the 2000 K. W. Curtis turbine at the Quincy Point Power Station of the Old Colony Street Railway Company.

Prof. R. R. Lawrence recently made a test for the Cushman Electric Company on a 5 H. P. commutating pole direct current 230 volt motor.

Prof. Shaad has taken up Prof. Smith's work in the Lowell Institute of Industrial Foremen and will give the lectures on direct current generators and direct current distribution. He recently made a test on the Almond right angle transmission pulleys using the 50 H. P. model. In McGraw's Hand-Book on Electrical Engineering, published this month, is a section on central stations written by Prof. Shaad.

Mr. James Carlton Stitt, a member of the council of the Liverpool Technical College, made a visit recently to this department in the course of his tour of observation of the American technical schools. He was much impressed with the apparatus used in lectures demonstrating the principles of electrical engineering. This apparatus has lately been added to.

Instrument transformers have arrived from the General Electric Company for use in the standardizing laboratory to complete the set necessary for testing polyphase circuits. These transformers vary in ratio from 1:1 to 600:1, and with the accompanying potential transformers allow measurements to be made on any polyphase circuit up to 10,000 volts and 3000 amperes. Mr. Henry A. Morss, '93, has presented a Sullivan University.

(Continued on page 3.)

EIGHT TECH MEN QUALIFY.

Will Get Buttons From War Department.

Eight members of the Rifle Club qualified in the National Marksman's Reserve at Wakefield Range Saturday afternoon. Darkness unfortunately stopped the shooting before all the men had completed their strings. A score of 50 out of a possible 75 was necessary. The following men qualified: H. R. Wilbur, '10 (59); W. N. Drew, '10 (56); G. E. Goodspeed, '09 (54); F. B. Applin, '09 (55); S. A. Francis, '11 (55); T. C. Merriman, '09 (53); and F. M. Green, '08 (50).

The following did not finish on account of darkness and will shoot again next Saturday either at Wakefield or Walnut Hills: L. G. Glazier, '11; M. W. Hopkins, '11; D. P. Marvin, '10; M. R. Thompson, '10; and E. J. Whitcomb, '11. The M. I. T. Rifle Club is chartered under the National Rifleman's Association, and its members thus have the privilege of competing for the National Marksman's Reserve. A man who qualifies has his name registered at the War Department and receives from the government a bronze membership button in the N. M. R.

URGES GREATER COOPERATION AND ACQUAINTANCE.

SAYS SPECIALIZATION NEEDED IN MODERN LIFE.

Prof. Sedgwick Talks to Mechanical Engineers.

Greater co-operation and better acquaintance between the various departments of the Institute were urged as the first practical step toward the right student life now and here by Prof. Sedgwick in his talk to the Mechanical Engineers' last evening at the Union.

After explaining in detail exactly what the terms specialization and differentiation mean, illustrating by analogies furnished by various plants and animals, especially the Portuguese man-of-war, ants and bees, Prof. Sedgwick showed that specialization is an indispensable condition of high development, both in individuals and in communities, and criticised writers like Tolstoi who, moved by the drawbacks of specialization, would do away with it altogether and return to undeveloped conditions.

"This," said Prof. Sedgwick, "is simply the praise of savagery and anyone who thinks that the savage state is better than the civilized ought to stop talking about it and become a Red Indian or a Hottentot." The drawbacks and dangers of specialization were admitted but their necessity in any well organized system vigorously denied.

"The secret of sound specialization consists in the development of the right relations of the part to the whole—of the hand, the eye, the foot, for example to the body as a whole, that is to the organism, of which it is a part. In science and in education, in professional work and in life itself, care should be taken lest in the development of a specialty we lose right relationship to the organism of which we are only a part—be it family, or school, or state, or nation.

"Specialization in work and in professions we must have, and that, too, the highest and best, and the limit of such specialization is to be found only in the right relationship of such specialization to the rest of the work of the social organism. The man of science, the engineer, the expert, must seek all possible proficiency in his chosen specialty but he must at the same time be careful that his proficiency does not interfere with his normal relation to the rest of the body, such as school or college, of which he is for the time being a part,—or to the family or the world at large."

1911 NOMINATIONS ANNOUNCED.

Polls Will Close on Friday.

Nominations for officers of the Freshman Class have been received as follows: President—George A. Cowee, Eugene R. Davis; Vice-President—Scott P. Kimball, Webster Richardson, J. A. Proctor; Secretary—Arthur E. Coupal, L. Gordon Glazier, Willson G. Stamper, Jr.; Treasurer—L. B. Copeland, P. A. Cushman; Clerk—Austin K. Wardwell, H. M. Davis, M. A. Grossmann; Directors—J. P. Constable, K. W. Faunce, J. C. Fuller, Norman De Forest; Institute Committee—Kester Barr, Roger M. Spencer, H. S. Smith, B. Lawrence, W. H. Coburn; Athletic Association, L. G. Fitzherbert, L. Gordon Glazier, Roger M. Spencer, Kenneth Greenleaf, Edward Van Tassel, Jr., W. J. Seligman, C. W. Dow, W. C. Salisbury, George A. Cowee, N. N. Prentiss, H. G. Soule, O. Hutchins.

The following are the qualifications of the nominees for the Athletic Association:—

G. A. Cowee, 1911 Football Team and Andover football man.

L. G. Fitzherbert, 1911 Football Team; all-intercollegiate football man, 1906.

R. M. Spencer, Allen School athlete and 1911 Relay Team.

Kenneth Greenleaf, 1911 Tug-of-War Team.

W. J. Seligman, 1911 Track man, Brookline high track team, point-winner in Fall Meet.

(Continued on page 2.)

THE TECH

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Wednesday, October 30, 1907.

THE TECH takes pleasure in announcing the election of Channing Turner, '08, to the Board of Editors, and the appointment of W. Duncan Green, '09, to the Staff of Associate Editors, and of J. B. Babcock, 3d, '10, to the News Staff.

POOR LEADERSHIP.

That the same lack of active interest shown by the captains of the Cross Country and Track Teams in the recent fall games should be reflected upon the candidates for the Cross Country is not surprising. When the men selected to lead teams do not actively participate in their sports, it is not very wonderful that the rank and file should lose interest.

In the fall games neither the captain of the Track Team nor the captain of the Cross Country Team took part in any of the events. The events in which these captains are supposed to be unequalled were extremely uninteresting because of lack of entries.

The Cross Country Team, only a few days before the race with Harvard, is in pitiable condition. Monday there was only one man, a Freshman at that, out for practice. The captain of the team has not attended practice regularly. A defeat can be expected Friday because of this lack of interest on the part of the leaders and veterans.

FENCING NEEDS SUPPORT.

Fencing has become one of the most important sports at the Institute. Besides cross country, fencing is the only sport in which Technology is represented in the American intercollegiate circles. This is the first year that the Institute has been represented in fencing. Needless to say it is important that Tech seize the opportunity to make an extremely good showing this year.

The formation of the Fencing Club has done much toward increasing the popularity of the sport by decreasing the attendant expense. Since the formation of this club the sport has been brought within the reach of a greater number of men. Still the charges for membership in the club are too great for some very good fencers.

As the Fencing Team is one of the few varsity teams at the Institute, it seems proper that fencing should receive more support from the Athletic Association than in the past. The coach of the team should be given a status and recognized as a varsity coach, and the team should be given an annual appropriation such as given the Track and Basketball Teams.

PROF. SEDGWICK TALKS IN NEW YORK.

English Magazine Reprints Tech Work.

Professor Sedgewick was the guest of the Technology Club of New York on Saturday evening and made an address on "Technical Education and Public Service."

"Public Works," and English quarterly, has begun in its October number a reprint of the History of the Sewage Disposal Problem recently published by Profs. Winslow and Phelps from the Sanitary Research Laboratory and Sewage Experiment Station at Water Supply Document No. 165 of the U. S. Geological Survey.

The editor refers to Profs. Winslow and Phelps as "of world-wide repute," and says, "No apology is needed in re-producing for the benefit of readers of 'Public Works' the whole of the historical portion of the paper."

1911 NOMINATIONS ANNOUNCED.

(Continued from page 1.)

C. W. Dow, Worcester Academy relay and basket-ball teams.

H. G. Soule, Thayer Academy baseball man.

Van Tassel, Capt. 1911 Football Team and all-inter-scholastic football man, 1906.

N. N. Prentiss, 1911 Track man and point-winner in Fall Meet.

L. Gordon Glazier, 1911 athlete and Brookline high athlete.

W. C. Salisbury, 1911 Track man and point-winner in Fall Meet.

O. Hutchins, 1911 Football Team.

The class constitution, a copy of which may be seen on application to Eugene R. Davis, must be signed by each member of the class before he is enabled to vote. The polls will close on next Friday at 4.00 P. M.

BRITISHERS ELECT SIX MEN.

Will Hold Another Meeting Friday.

At the meeting of the British Empire Association held Monday at 1 P. M. in 16 Rogers six new men were elected members of the association. M. E. Denny, '08, resigned his position as chairman, and the vice-chairman, B. L. Gimson, '08, is acting chairman until the next elections, which are to be held Friday at 1 P. M. in 16 Rogers.

COMMUNICATION.

To the Editor of THE TECH:

Please may I, through your columns, call the attention of Institute instructors and assistants to the Instructors' Club. The club was organized four years ago for the purpose of bringing together the younger teachers at the Institute; of furthering their acquaintance not only among themselves but also with the professors and administrative officers of the Institute; and, by such intercourse, of developing community of interest and effort. The club meetings are informal and include a simple meal, followed by a talk and discussion.

The next meeting of the club occurs Thursday at 6.30, at the Union. The speaker will be Dr. Charles Tenney, formerly president of the English College of North China at Tien Tsin, who has been instrumental in interesting Eastern nations in technical education and in bringing our Oriental pupils to the Institute. All members of the instructing staff will be welcome; and the club especially desires the membership of assistants and instructors recently added to the teaching staff.

H. L. SEAVER.

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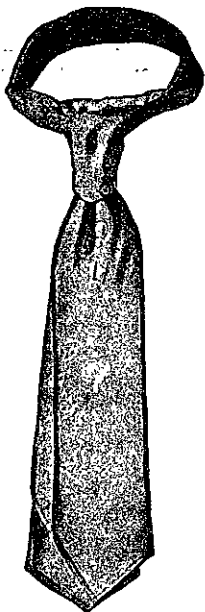
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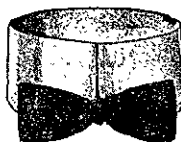
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JAMES FRANCIS AGAIN TO COACH SHOW.

(Continued from page 1.)
such good work for the Show last year, and E. H. Packard, '07, who has written music for the show for the last four years, are both gone this year, there is some good material left, as shown by last year's production, and the chances for good songs are bright. Hale, who wrote music and lyrics last year, may be counted on for some valuable work this year, and Ginzberg has shown what he can do in this line of music.

In a few weeks the trials for the management of the show will be held. There are at present three places open, one as advertising manager, one on the business end and one on the stage management.

The manuscripts will then be carefully considered and the best one selected. Those whose work is refused will be told upon what ground this refusal is made. The selection of the play is made by the stage and general managers and by the coach.

In a week or two a Tech Show Komers will be held at the Union. This dinner is meant particularly to introduce to the new men at the Institute the various phases of the Show work. A number of stunts will be given from past shows.

It is now too early to predict at what theatre the Boston performances of the Show will be held. The dates this year have been so changed as not to have performances on the same day as the Spring Concert. The Boston Performance will be on Monday and Tuesday, April 20 and 21. The date of the Providence performance is not yet arranged.

ACTIVE WORK IN ELECTRICAL DEPT.

Continued from page 1.
versal Shunt to the standardizing laboratory:

To the equipment of the electrical engineering laboratory has been added a Holtzer-Cabot 5 H. P. cumulative 230 volt direct current motor wound for either a shunt or differential field and two General Electric 7.5 K. W. 230 volt shunt rotaries run on either three or four phase and provided with two Westinghouse compensating starters, Scott transformers, speed limit devices, etc. Two frequency meters of the vibrating reed type have also been received; one a Hartmann and Braun, portable instrument and the other an Everett Edgecomb switchboard instrument.

The interests of the three upper classes in Course VI have been divided between the following professors: Prof. Shad advises and helps students of the second year, Prof. Smith those of the third year, and Prof. Jackson those of the fourth year.

Unusual advantages have been given the students in advanced study in electrical engineering by the recent privileges granted the department by Stone & Webster, the well-known electrical experts. The advanced students make frequent visits to the offices of the above firm and in a specially assigned room are allowed to examine the extensive amount of data regarding the cost of construction, operation and maintenance of the many engineering enterprises with which Stone & Webster have been associated. It is an opportunity which in worth cannot be over-estimated, and is a valuable accession to the resources of the department.

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CALENDAR.

Wednesday, October 30, 1907.

1.00 P. M. 1908 Ballots Due at the Cage.
4.00 P. M. 1909 Nominations Due at the Cage.
8.00 P. M. Mining Engineering Society at the Union.

Thursday, October 31.

1.30 P. M. Weekly Y. M. C. A. Meeting at the Parish Hall.

Friday, November 1.

1.00 P. M. British Empire Association Meeting in 16 Rogers.
4.15 P. M. Civil Engineering Society Meet in 11 Eng. B.
8.00 P. M. 1908 Dinner at the Union.

NOTICES.

Col. Frank L. Locks, '86, has recently been elected President of the Boston Y. M. C. U.

1911.—Members and substitutes of the Freshman Relay Team report daily at 4.30 P. M. at the Field.

1909 NOMINATING COMMITTEE.—There will be a meeting of the 1909 Nominating Committee today at 4.00 P. M. in the Trophy Room.

Y. M. C. A.—Prof. H. P. Talbot will speak at the weekly Y. M. C. A. meeting tomorrow in Trinity Parish Hall. The time is from 1.30 till 2.00 P. M.

TEXAS CLUB.—There will be a meeting and Dinner of the Texas Club Saturday at 6.30 P. M. All members will please be present. It is absolutely necessary that the secretary receive each member's reply card whether he will be present or not.

Dr. Paul M. Carpenter, formerly an instructor in the Sanitary Engineering Department and now chief of the sanitary department of the Panama Canal construction work, will be married this week in Corozal, Panama, to Miss Josephine P. Atkins of Provincetown.

1908.—The annual dinner of the Class of 1908 will be held at the Union Friday, at 6.30 P. M. As this is the last annual dinner of the class it is hoped that as many as possible will attend. Tickets may be secured from Gerrish, Allen, Vonnegat, Tobin, Webb, or the Bursar.

CIVIL ENGINEERS.—Friday afternoon at 4.15 the Civil Engineering Society will meet in 11 Eng. B. to hear an illustrated talk on the Engineering Features of the Charles River Dam, by Mr. John L. Howard, the assistant engineer of the dam. All members of Courses I and XI should attend.

CLASSIFIED ADS.

Advertisements of this kind under different classifications are inserted at the rate of five cents a line, averaging six words to a line, payable in advance.

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